IN THE CLAIMS:

Please amend the claims as indicated below.

1. (Currently Amended) A first wireless communication device, comprising:

5   a controller capable of receiving an acknowledgement (ACK) message transmitted by a second wireless communication device in response to a message transmitted by said first wireless communication device, and

a collision detector that monitors a wireless medium for collisions <u>of said acknowledgement message</u>.

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2. (Original) The first wireless communication device of claim 1, wherein said collision detector evaluates an energy level and detects a collision based on said energy level.

3. (Original) The first wireless communication device of claim 2, wherein said

15   collision detector includes a payload detector and detects a collision based on a detected payload.

4 (Original) The first wireless communication device of claim 3, wherein said collision detector includes a preamble detector and detects a collision based on a detected preamble.

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5. (Currently Amended) The first wireless communication device of claim 1, wherein said collision detector is activated after said <u>first</u> ~~medium access~~ wireless communication device transmits data.

25   6. (Original) The first wireless communication device of claim 1, wherein said collision detector does not detect a collision if an ACK message or data header is received.

7. (Original) The first wireless communication device of claim 1, wherein said device is implemented in accordance with the IEEE 802.11 Standard.

8. (Currently Amended) The first wireless communication device of claim 1,
5   wherein said controller determines if said second wireless communication device correctly received said transmitted message by monitoring said a-wireless medium.

9. (Original) The first wireless communication device of claim 1, wherein said controller determines that said second wireless communication device did not likely receive said
10   message if a collision is detected.

10. (Original) The first wireless communication device of claim 1, wherein said controller determines that said collision was a cause of not receiving said ACK message.

15   11. (Currently Amended) A method for detecting a collision in a wireless communication network, said method comprising the steps of:

      determining if an acknowledgement message is received in response to transmitted data; and

      monitoring said wireless communication network to detect a collision of said
20   acknowledgement message.

12. (Original) The method of claim 11, wherein said monitoring step evaluates an energy level and detects a collision based on said energy level.

25   13. (Original) The method of claim 12, wherein said monitoring step further comprises the steps of detecting a payload and detecting a collision based on a detected payload.

14. (Original) The method of claim 13, wherein said monitoring step further comprises the steps of detecting a preamble and detecting a collision based on a detected preamble.

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15. (Currently Amended) The method of claim 11, wherein said monitoring step is activated after said transmitted ~~method transmits~~ data is transmitted.

16. (Original) The method of claim 11, wherein said monitoring step does not detect a collision if an ACK message or data header is received

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17. (Original) The method of claim 11, wherein said method is implemented in accordance with the IEEE 802.11 Standard.

18. (Currently Amended) A method for detecting a collision in a wireless
15 communication network, said method comprising the steps of:

determining if an acknowledgement message is received in response to transmitted data; and

monitoring said wireless communication network to detect a collision of said acknowledgement message if a measured energy level exceeds a predefined threshold.

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19. (Currently Amended) The method of claim 18, wherein said monitoring step further comprises the step of detecting a payload and said collision detection is further based on said ~~a~~ detected payload

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20. (Currently Amended) The method of claim 18, wherein said monitoring step further comprises the step of detecting a preamble and said collision detection is further based on said ~~a~~ detected preamble.

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21. (Original) The method of claim 18, wherein said monitoring step is performed after said data is transmitted.

22. (Original) The method of claim 18, wherein said monitoring step does not
5   detect a collision if an ACK message or data header is received.

23. (Original) The method of claim 18, wherein said method is implemented in accordance with the IEEE 802.11 Standard.